STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

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Date 5/5/08

ROUTE FAS 739 DESCRIPTION Eldred-Hillview Road over Stream, 4.5 miles North of IL 108 LOGGED BY E. Stewart

SECTION 1BR, 1-2BR LOCATION SE 1/4, SEC. 33, TWP. 10N, RNG. 13W, 3 PM

COUNTY Greene DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 031-0010 (E) / 031-0039 (P)
Station 237+00

BORING NO. South Abutment
Station 237+20
Offset 50.00ft Left
Ground Surface Elev. 437.87 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 417.9 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
Coarse Loamy SAND See Gradations @ 75 & 85 ft *(continued)*				
-35	3 8 19	NC		
-90	50/0.1	-	--	
		-	NS	
	50/6"	-		
344.9		-	NC	
Highly Weathered Shale 344.4				
Borehole continued with rock coring.				
-100				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

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ROCK CORE LOG

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Date 5/5/08

ROUTE FAS 739 DESCRIPTION Eldred-Hillview Road over Stream, 4.5 miles North of IL 108 LOGGED BY E. Stewart

SECTION 1BR, 1-2BR LOCATION SE 1/4, SEC. 33, TWP. 10N, RNG. 13W, 3 PM

COUNTY Greene CORING METHOD

STRUCT. NO. 031-0010 (E) / 031-0039 (P)
Station 237+00

CORING BARREL TYPE & SIZE

BORING NO. South Abutment
Station 237+20
Offset 50.00ft Left
Ground Surface Elev. 437.87 ft

Core Diameter 2 In
Top of Rock Elev. 335.37 ft
Begin Core Elev. 344.37 ft

DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
344.37					
Closed Jointed Dark Mudstone		91	41	4.83	
-95		91	41	8.87	754.51
		91	41	9.35	
		91	41	9.17	
		91	41	9.38	
		91	41	10.05	
-100		91	41	12.75	
		91	41	9.7	535.39
335.37		91	41	6.33	
END OF BORING AND ROCK CORE					
-105					
-110					

Color pictures of the cores Yes
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 136 (Rev. 8-99)

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SOIL BORING LOGS

SHEET NO. 22	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
23 SHEETS	739	1BR	GREENE	150	143
	S.N. 031-0039		CONTRACT NO. 76410		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

H.M. & G. NO. 6020.161